

AFSHIN MEHRABANI

SOFTWARE ENGINEER

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Afshin is a software engineer and an open source programmer. He started with programming and PHP web development when he was 12 years old. Later, he entered the Iran Technical and Vocational Training Organization. He was ranked first and has also bagged a golden medal in a competition on web development in his country. He also became a member of the Iran's National Elite Foundation by producing a variety of new programming ideas.

Technical

JavaScript	NodeJs	Python
Golang	Rust	MySQL
Apache Solr	Web Security	Linux

Experience

AYLIEN

Software Engineer

May 2015 - Present

Working on designing and developing RESTful API for Machine Learning and Neural Network libraries, such as Keras and TensorFlow. API designed and developed using Python, MySQL, Django, Elasticsearch. Client-side of the application uses Angular.js / ES6 and Kubernetes, Docker to deploy and maintain the systems in the cloud.

Yara Information Technology

Senior Software Engineer

March 2013 - May 2015

Worked on server-side RESTful APIs and bidirectional socket server for an online multi-player game using ASP.NET C# / .NET framework 4.x.

Also, wrote a web-based RESTful API with Python / Django and the client-side using Angular.js / ES6.

Visa Samaneh Asa

Software Engineer

Feb 2012 - April 2013

Writing web-based platforms for Tehran online stock exchange. RESTful APIs written using C# and client-side with Angular.js and ExtJS.

Tadbir Pardaz

Software Engineer

May 2010 - April 2012

Wrote a socket server (TCP server, C# and multi-threaded) for mobile stock trading platform. Also, contributed to a ASP.NET project which is the backend of web-based stock trading platform of Tehran stock exchange.

Education

Dublin Institute of Technology

Master of Science (MSc), Advanced Software Development

2016 - 2018

Dublin, Ireland

Tehran Rayane'e University

Bachelor's Degree, Information Technology

2011 - 2016

Tehran, Iran

Nemoone Hosseinian

Diploma, Math and Physics

2007 - 2010

Neyshabour, Iran

Honors

Web Design Competition - 1st place, Gold medalist

WorldSkills

Apr 2009

Iranian National Skills competition, Web Design using PHP, MySQL, Apache, JavaScript and HTML5.

Youth Kharazmi Programming Competition - 4th place

Youth Kharazmi Competition

Mar 2008

Youth Kharazmi competition in Programming with PHP and C#.

Speaker at Mozilla WebMaker 2014

Mozilla

Sep 2014

This is the first Mozilla webmaker event in Iran. It will be hold right after the annual open source conference in order to absorb people who have already familiar with open source.

Link: <https://events.webmaker.org/#!/events/5513>

Speaker at Open Web Platform Conference 2013

Open Web Platform

Oct 2013

Speaking about HTML5 new features, Web Storage and how to create another thread in browsers.

Side projects

Intro.js

<http://introjs.com>

Popular open-source JavaScript library to create step-by-step tours and guides.

Juggernaut - Neural network

<http://juggernaut.rs>

A neural network written in Rust that compiles to Web Assembly and can run in the web browser.

Motion.js

<https://github.com/usablica/motion.js>

Motion.js is an easy to use, cross-browser CSS3 library for creating animations in web. Open-source, MIT Licensed.

Scrollanim

<https://github.com/usablica/kissui.scrollanim>

Scrollanim is a CSS3 and JavaScript library to create stunning scroll animations that work everywhere.

Publications

360° Stance Detection

NAACL

2018

The proliferation of fake news and filter bubbles makes it increasingly difficult to form an unbiased, balanced opinion towards a topic.

To ameliorate this, we propose 360° Stance Detection, a tool that aggregates news with multiple perspectives on a topic. It presents them on a spectrum ranging from support to opposition, enabling the user to base their opinion on multiple pieces of diverse evidence.

<https://arxiv.org/abs/1804.00982>

MongoDB High Availability

Packt Publishing

2014

MongoDB is one of the pioneers in implementing the NoSQL concept by using “Document” as the infrastructure to save and restore data from a database. Using MongoDB in high pressure situations needs a predefined plan, and this book with its step-by-step approach can help you to make a highly available MongoDB server using the latest features.

Starting with the basic concepts and their implementation, you will study real-world use cases which will help you understand the practical aspects of MongoDB. Each step contains an in-depth presentation and several screenshots. This book teaches you all the tips and tricks to make a highly available MongoDB server using different clustering solutions. This book has a perfect balance of concepts and their practical implementation along with solutions to make a highly available MongoDB server in a production environment and under high throughput with clear instructions and guidance.

Getting Started with CreateJS

Packt Publishing

2013

CreateJS is a popular, well supported JavaScript library used for web advertising, education, gaming, and cartooning. The CreateJS suite consists of different libraries that are designed to work independently or together to create rich interactive content on open web technologies on an HTML5 canvas. In CreateJS, the EaseJS API provides solutions for working with rich graphics and interactivity and integrates well with its tweening library; TweenJS.

IntroJs Starter

Packt Publishing

2012

IntroJs is a JavaScript and CSS3 library, used to create simple step-by-step help pages or introductions for websites and applications to show the users new features or whole application parts quickly and concisely. Instant IntroJs is a reference to get started with IntroJs right away.